

## Okeanos Explorer ROV Dive Summary

Dive Information			
	Ocean Exploration and Research	Gulf of Mexico 2017	TOTAL A
General Location	<figure><figure></figure></figure>		
General Area Descriptor	Gulf of Mexico		
Site Name	Wreck 15377		
Science Team Leads	Diva Amon and Charles Messing		
Expedition Coordinator	Brian Kennedy		
ROV Dive Supervisor	Dan Rogers		
Mapping Lead	Mike White		
ROV Dive Name			
Cruise	EX1711		
Leg	-		
Dive Number	DIVE07		
Equipment Deployed			
ROV	Deep Discoverer		
Camera Platform	Seirios		
ROV Measurements	🖂 СТД	🔀 Depth	Altitude

	Scanning Sonar	USBL Position	Heading	
	Pitch	Roll	HD Camera 1	
	HD Camera 2	Low Res Cam		
	Low Res Cam 3	Low Res Cam		
Equipment Malfunctions	none			
	Dive Summary: EX1711_DIVE07			
	In Water: 2017-12-09T18:34:23.673000			
	Redacted			
	Out Water: 2017-12-09T23:35:47.513000			
		Redacted		
	Off Bottom:	2017-12-09T23:11	:34.029000	
ROV Dive Summary		Redacted		
(from processed ROV data)	On Bottom: 2017-12-09T19:09:00.869000			
	Ch Bottom: 2017-12-09119:09:00.869000 Redacted			
	Dive duration:	5:1:23		
	Bottom Time: 4:2:33			
	Max. depth:	Redacted		
Special Notes	The location of this wreck is protected and may not be shared without written permission of NOAA.			
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Purpose of the Dive	To explore and characterize wreck 15377		
Description of the Dive	ID Number 153 of the Mississip bottom at 686 the bow of the copper sheets f bolts and likely forelocks, a fea 19 <sup>th</sup> century. The which were visit consumed by m line of the ship upper edge of se fire, or slow coll sheathing at the sheathing with The surviving p approximately to tacked to the st with the Arabic indicates that a sediment, which well as a possib the edge of the deck that may he transformation A hole observed marked where posts were dua through which to	77, approximately 65 pi River. The ROV de meters and navigated wreck first. The wreck for anti-fouling protect spikes. The bolts app ture of heavy-built w he copper sheathing w ble in areas where the narine organisms. No where the copper sheathing w sheathing shows no s lapse of the upper w e bow follows the tra the copper conformi ortion of the hull belo 32 m long by 10 m witten post at what app numbers "12" at the pproximately 3.81 m h would incorporate le lower deck. Surviv sheathing line sugge nave in part collapsed of the sunken ship in d above the "13" that the bowsprit was gar I lead hawse pipes or the anchor cables wo served outboard of the	ide. Lead draft marks were beared to be one-foot interval e mudline and "13" above it. This leters of the hull lies beneath the the entire hold of the vessel as ring timber and longer bolts at est that this was the level of a d into the hold during the



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	of the vessel, docume amidships, remnants flywheels, and a ship' around a circular feat foremast, which, alth delineated by corrosi of chain plates which foremast was observe positioning and nume vessel with either a st Many small artifacts stoneware bottle; a b liquor, and beer bottl stern quarter were a including an unusual handles similar to one narrow neck. Some re multiple stemmed ale preliminary analysis of rigging elements, tha mid-century. It likely was a heavily constru	en began a slow circuit down the starboard side enting a large sheet anchor stowed on deck of a suction bilge pump with cast-iron 's cast-iron stove. The remains of the pump lay ture that we believe is the outline of the ship's nough consumed by marine organisms, is ion by-product. Continuing further aft, remains a supported the standing rigging for the ed on both the port and starboard sides. Their ber indicate that this was likely a three-masted hip or bark rig. were noted, including what is believed to be a pasin and pitcher; numerous hand-blown wine, les; and a Transferware cup. Also noted in the number of coarseware ceramic storage jars, yellow-glazed jug with four horizontal loop es seen on other wrecks in the Gulf and a emarkably fragile artifacts also survive, such as e flutes. In general, it seems likely, based on our of the artifacts, the hull form, fasteners, and t the ship likely post-dates 1830 to perhaps was a square-rigged ship with three masts. It acted merchant ship, built for long ocean the bulk cargo; its builders valued cargo capacity
Overall Map of the ROV Dive	Area	Close-up Map of Main Dive Site

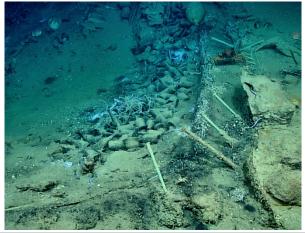
Overall Map of the ROV Dive Area	Close-up Map of Main Dive Site	
Redacted	Redacted	
Representative Photos of the Dive		





First view of the wreck's bow outlined by the remnant copper sheathing, with one hawse pipe in foreground, another just aft of the stempost at right, and white colonies of the stony coral *Lophelia pertusa* (on the stempost and at far left). The eels are Nettastomatidae ("duckbill eels").

Transferware cup and open end of a glass bottle found toward the stern.



Pile of chiefly glass bottles, with possible mortar, other containers, and a mass of more recent fishing line at the stern. A white porcelain washbasin and ewer are visible at upper left. The long metal rods are a few of the many along the perimeter that held the copper sheathing to the now lost wooden hull.



Ship's stove, found amidships, with two spider crabs, *Rochinia crassa*.

## Samples Collected

Sample	
Sample ID	
Date (UTC)	
Time (UTC)	
Depth (m)	

No samples were collected during this dive



Temperature (°C)	
Field ID(s)	
Commensal ID and Field Identification	
Comments	

## Please direct inquiries to:

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